

To: Schaefer, Joe[Schaefer.Joe@epa.gov]; Delgado, Eric[Delgado.Eric@epa.gov]; McComb, Martin[McComb.Martin@epa.gov]; Burgo, Daniel[Burgo.Daniel@epa.gov]
From: Nattis, Randy
Sent: Fri 8/21/2015 5:38:53 PM
Subject: Fwd: SW and Sediment Graphs
R6&R8&R9 SW and Sediment Data Graphs v6.xlsx
ATT00001.htm

FYI.

Randy B. Nattis
Federal On Scene Coordinator
U.S. EPA Region IX
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Phone - (415) 940-1108 - Cell

Begin forwarded message:

From: "Bacom, Amber" <abacom@srcinc.com>
To: "Allen, HarryL" <Allen.HarryL@epa.gov>
Cc: "Charters, David" <Charters.DavidW@epa.gov>, "Sprenger, Mark" <Sprenger.Mark@epa.gov>, "follansbee@srcinc.com" <follansbee@srcinc.com>, "Hohreiter, David" <dhohreiter@srcinc.com>, "Shaw, Rebekha" <rshaw@srcinc.com>, "Nattis, Randy" <Nattis.Randy@epa.gov>
Subject: RE: SW and Sediment Graphs

Harry,

Here you go. This revised file now includes 3 graphs on the sediment tab. The new graph on the right includes plotting the PEC value. Please let me know if you have any other questions or would like to see any other changes.

Thank you,
Amber

-----Original Message-----

From: Allen, HarryL [<mailto:Allen.HarryL@epa.gov>]
Sent: Friday, August 21, 2015 8:05 AM
To: Bacom, Amber
Subject: Re: SW and Sediment Graphs

Thanks Amber! I'd like to see our data against the Eco PEC as well. Thanks!

Sent from my iPhone

On Aug 21, 2015, at 4:11 AM, "Bacom, Amber" <abacom@srcinc.com> wrote:

Harry,

Attached you will find an Excel file that includes surface water (blue tab) and sediment (gold tab) bar graphs similar in format to the example graph that I sent to you yesterday. The file is set up with a toggle based on analyte - yellow box above graphs functions as a picklist. As you toggle to different analytes the graphs will update accordingly. Two graphs are shown on each tab. The graphs on the right include lines plotting the recreational visitor RBC values as per your direction. We also retained the original graphs that do not include plotting the RBC value as a line for your convenience (graphs on left; text string maintained at bottom presents RBC).

With regard to the data currently included in the graphs, please keep in mind the following:

- * These graphs represent the concentrations measured on the most recent date for the stations shown for which validated data were available in SCRIBE as of yesterday.

- * As mentioned previously, the Region 8 sediment data shown on the graph does not currently include 7 additional locations where samples were collected on 8/13/15.

- * Previous Region 8 sediment graphs plotted the Ecological Probably Effects Concentration (PEC) instead of the Recreational Visitor RBC. Please let me know if you will need similar graphs.

- * Surface water data from Region 8 locations A68, A72 and CC48 were excluded as per Region 8's request.

Please let me know if you have any questions, or if you would like for us to prepare any additional graphs. Once we finalize the formats of the graphs, we would be happy to help you pull them in to a PowerPoint presentation if needed.

Thank you,

Amber

From: Allen, HarryL [<mailto:Allen.HarryL@epa.gov>]

Sent: Thursday, August 20, 2015 3:40 PM

To: Bacom, Amber

Cc: Charters, David; Sprenger, Mark; Shaw, Rebekha; Follansbee, Mark; Hohreiter, David; Nattis, Randy

Subject: Re: Example Graph

Sounds good Amber. Let's keep the common sed RSLs as a line for comparison. I think this graph is very useful and like that all the regions' data is there.

Sent from my iPhone

On Aug 20, 2015, at 2:34 PM, "Bacom, Amber"
<abacom@srcinc.com<<mailto:abacom@srcinc.com>>> wrote:

Harry,

We have downloaded the most recent validated sediment and surface water data from the Region 6, 8 and 9 SCRIBE databases. We are working to produce similar graphs for you to those we produced for Region 8. We have attached an example sediment graph for your review. As you will see, this graph is plotting the concentrations of arsenic in sediment at sampling locations in Colorado, New Mexico and Utah moving spatially from the Gold Mine downstream. The Colorado data mirror those that we sent out in our previous graphs to Region 8. However, based on our most recent SCRIBE download, it appears there are more recent data for additional sampling locations in Region 8. We can easily add those data to this graph once we are able to confirm their locations relative to the other stations we are currently plotting (noting that the sampling dates differ).

Currently, the graphs we are preparing for you are showing the most recently collected validated data - which equates to different sampling dates across the states. Previous graphs that we prepared for Region 8 compared the data to concentrations provided to us by Weston representative of pre-spill conditions (referred to as background in those graphs). We could add similar comparisons for each state if you would like, but would need to receive the pre-spill data for New Mexico and Utah to do so.

Also, for both Region 8 and Region 6, we also included comparison lines representative of chosen risk-based screening levels. These values differed for the Regions and if you would like to add a similar comparison we would like to discuss what values you would prefer to use.

We are working on similar graphs for surface water and will also need to know what, if any, pre-spill or risk-based screening level values you would like for us to include as a comparison.

Please feel free to give me a call at 303-868-2743 to discuss this in further detail at your convenience.

Thank you,

Amber

Amber Bacom

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<Example Sediment Graph.pdf>

<R6&R8&R9_SW_and_Sediment_Data_Graphs_v5.xlsx>